

Application No. 10/509,633
 Amendment Dated 12/2/2005
 Reply to Office Action of 12/13/2005

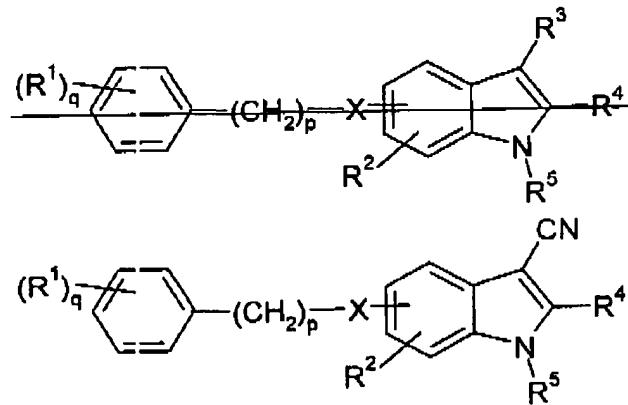
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-6 (canceled)

7. (currently amended) A compound of Formula (VIId),



Formula (VIId)

wherein

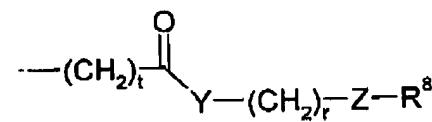
R¹ is independently selected from hydroxy, amino, alkanoylamino, —OPO₃H₂, or C₁₋₄alkoxy, wherein the amino group is optionally substituted with an amino acid residue and the hydroxy group is optionally esterified;

X is selected from —O—, —S—, —SO—, or —SO₂—;

R² is selected from hydrogen, C₁₋₄alkyl, or C₁₋₄alkoxy;

R⁴ is independently selected from hydrogen, C₁₋₄alkyl, C₁₋₄alkanoyl, C₁₋₄alkoxycarbonyl, C₁₋₄alkoxycarbonylC₁₋₄alkyl, C₁₋₄alkoxycarbonylamino, amino, aminoC₁₋₄alkyl, carbamoyl, carbamoylC₁₋₄alkyl, cyano, cyanoC₁₋₄alkyl, hydroxy or hydroxyC₁₋₄alkyl;

R⁵ is selected from hydrogen, C₁₋₄alkyl, or a group of Formula (III)



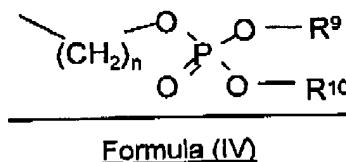
Formula (III)

wherein

Y is selected from —NH—, —O—, or a bond;

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Z is selected from —NH—, —O—, —C(O)—, or a bond;
r is an integer from 0 to 4;
t is an integer from 0 to 1;
R⁸ is hydrogen, C₁₋₄alkyl, C₁₋₄alkoxy, aryl, 5- or 6- membered heterocycl, 5- or 6-membered heteroaryl, wherein aryl, heteroaryl or heterocycl are optionally substituted with C₁₋₄alkyl, C₁₋₄alkoxy, or a group of Formula (IV);



wherein

n is an integer from 1 to 6, and;

R⁹ and R¹⁰ are independently selected from hydrogen, C₁₋₄alkyl, or aryl;

p is an integer from 0 to 1, and

X, p, R², R³, R⁴, and R⁵ are as defined in claim 1;

q is an integer from 1 to 3,

with the proviso that

when R³ is cyano, then R⁴ cannot be a group of Formula (II); and

when (R¹)_q is 4-methoxy, 4-amino or 3,4,5-trimethoxy, p is 0 or 1, R² is hydrogen or 5-methoxy, R³ is hydrogen, cyanomethyl, or 2-aminoethyl, and R⁴ is hydrogen or ethoxycarbonyl, then R⁵ cannot be hydrogen or methyl;

or a salt, prodrug or solvate thereof.

8-9. (canceled)

10. (currently amended) A compound, of claim 7, selected from:

3-cyano-5-phenylsulphonyl-1*H*-indole;

3-cyano-5-phenoxy-1*H*-indole;

3-cyano-5-(4-hydroxyphenoxy)-1*H*-indole; and

2-cyano-5-benzylxy-1*H*-indole;

1-methyl-3-cyano-5-(4-hydroxy-3,5-dimethoxyphenoxy)-1*H*-indole;

1-methyl-3-cyano-5-(4-phosphonoxy-3,5-dimethoxyphenoxy)-1*H*-indole;

3-cyano-5-(3,4-dimethoxyphenylsulphonyl)-1*H*-indole;

1-methyl-3-cyano-5-(3,4-dimethoxyphenylsulphonyl)-1*H*-indole;

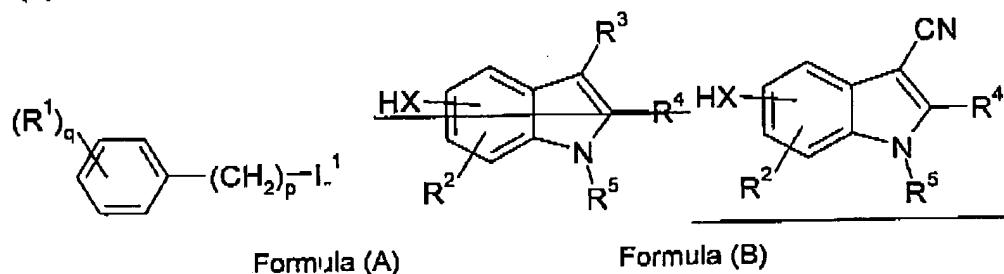
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3-cyano-5-(3,4-dimethoxyphenylsulphonyl)-1*H*-indole; and
 1-methyl-3-cyano-5-(3,4-dimethoxyphenylsulphonyl)-1*H*-indole;
 or salt, prodrug or solvate thereof.

11. (currently amended) A pharmaceutical composition comprising a compound according to any one of Claims 7, to 10, 13 to 21 or a pharmaceutically acceptable salt, solvate or prodrug thereof.

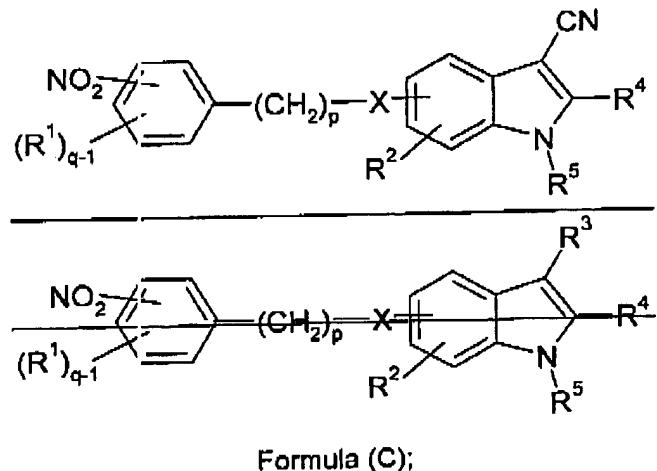
12. (currently amended) A process for preparing a compound of claim 7 [[1]], or salt, solvate or prodrug thereof, comprising

a) for compounds of Formula (I) wherein X is —O— or —S—, reacting a compound of Formula (A) with a compound of Formula (B),



wherein L^1 is a leaving group;

b) for compounds of Formula (I) in which R^1 is amino, reduction of a compound of Formula (C):

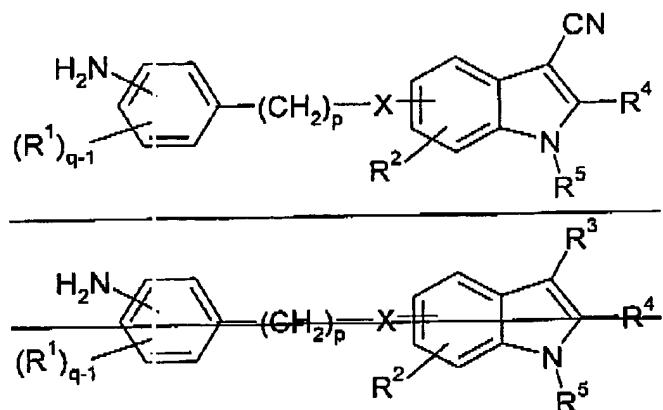


Formula (C);

c) for compounds of Formula (I) wherein R^5 is C_{1-4} alkyl, reacting a compound of Formula (I) wherein R^5 is hydrogen with a suitable alkylhalide;

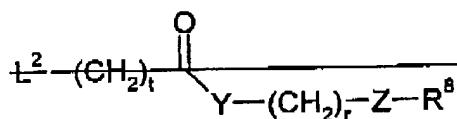
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d) for compounds of Formula (I) wherein R^1 comprises an amino group substituted with an amino acid residue, reacting a compound of Formula (D) with an amino acid,



Formula (D):

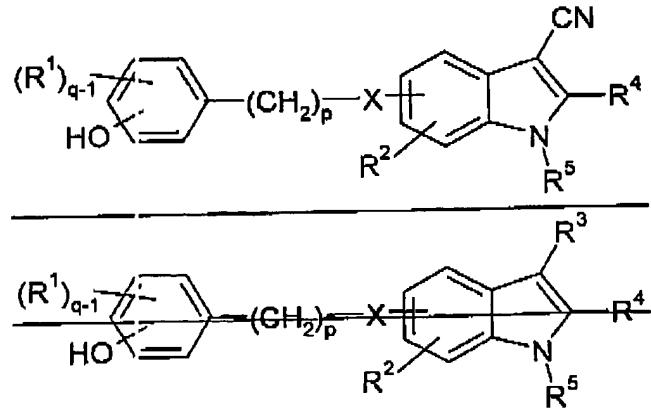
e) for compounds of Formula (I) in which R^3 is a group of Formula (II) and R^7 is a group of Formula (III), reacting a compound of Formula (I) in which R^3 is a group of Formula (II) and R^7 is hydrogen with compounds of Formula (E) below, in which L^2 is a leaving group;



Formula (E):

[[f]] e) for compounds of Formula (I) in which R^4 is hydrogen, reacting compounds of Formula (I) in which R^3 is hydrogen and R^4 is hydrogen with compounds of L^3R^3 in which L^3 is a leaving group; and

[[g]] f) for compounds of Formula (I) in which R^1 is an esterified hydroxyl group, reacting a compound of Formula (F) with an appropriate carboxylic acid or carboxylic acid derivative;



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Formula (F)

and thereafter optionally

- i) converting a compound of Formula (I) into another compound of Formula (I);
- ii) removing any protecting groups;
- iii) forming a salt, prodrug or solvate.

13. (new) A compound according to Claim 7 wherein X is $-O-$;

14. (new) A compound according to Claim 7 wherein X is $-S-$, $-SO-$ or $-SO_2-$;

15. (new) A compound according to Claim 7 wherein R¹ is selected from hydroxy, amino, $-OPO_3H_2$, methoxy, ethoxy, glutamylamino, α -glutamylamino, serylamino, glycylamino and alanylarnino.

16. (new) A compound according to Claim 7 wherein R¹ is selected from hydroxy, α -glutamylamino, seryl, $-OPO_3H_2$ or methoxy.

17. (new) A compound according to Claim 7 wherein q is 2 or 3.

18. (new) A compound according to Claim 7 wherein R² is hydrogen.

19. (new) A compound according to Claim 7 wherein R⁴ is hydrogen, cyano, carbamoyl, carbamoylC₁₋₄alkyl or C₁₋₄alkoxy:carbonyl.

20. (new) A compound according to Claim 7 wherein R⁵ is hydrogen or C₁₋₄alkyl.

21. (new) A compound according to Claim 7 wherein R⁵ is hydrogen, methyl or ethyl.